A
CATALOGUE
OF
Optical, Mathematical, and Philosophical Instruments,

MADE AND SOLD BY

W. AND S. JONES,

[No. 135,]

NEXT FURNIVAL'S-INN, HOLBORN, LONDON.

OPTICAL INSTRUMENTS.

	£.	s.	d.
BEST double-jointed standard gold spectacles, with pebbles, and fish-skin gold-mounted case	16	16	0
Ditto single-jointed, with ditto case	10	10	0
Best double-jointed silver ditto, with pebbles	1	16	0
Ditto, ditto, with glasses	1	1	0
Best single-jointed, with pebbles	1	8	0
Ditto, with glasses	0	13	0
Best double-jointed steel ditto, with glasses	0	9	0
An improved sort of ditto for ladies	0	10	6
Second best double-jointed steel spectacles, with spring case	0	7	6
Common ditto	0	4	6
Best single-jointed steel spectacles	0	4	6
Second best ditto	0	2	6
Common ditto	0	1	6
Tortoishell spectacles, silver-jointed, with pointed and other shaped sides, peculiar for their lightness and uninterruption of dressed hair, in morocco leather cases	0	10	6
Ditto, double-jointed frames	0	15	0
Spectacles for eyes that have been couched	0	7	6
Ditto with green glasses for very weak and inflamed eyes, according to the frames, from 6*s.* to	1	1	0
Ditto for the same purpose, with new contrived portable shades to screen the eyes from candle, or other light	0	15	0
Nose spectacles in silver	0	7	6
Ditto in tortoishell and silver	0	4	0
Spectacle cases in great variety, from 2*d.* each to	10	10	0
Concave glasses for short-sighted persons, in horn cases	0	1	6
Ditto in tortoishell, pearl, silver, &c. from 2*s.* 6*d.* to	2	2	0
Ditto in new contrived frames for gentlemen when shooting	0	16	0
Reading and burning glasses, in various mountings, from 1*s.* to	1	16	0
Convex glasses for watch-makers, engravers, &c, from 1*s.* to	0	10	6
Gogglers, to guard the eyes from the dust or wind	0	3	0
New green light shades for the eyes	0	6	6

	£.	s.	d.
Opera glasses in great variety of mountings, from 4*s*. 6*d*. to	2	12	6
Ditto on an improved construction of glasses, plain mounting	1	1	0
Refracting Telescopes of various lengths, from 6*s*. to .	1	16	0
Ditto to use at sea by night, from 1*l*. 11*s*. 6*d*. to	2	12	6
Achromatic stick telescopes, of various lengths, from 18*s*. to	4	0	0
The new improved ditto, with three sliding brass tubes, by which an instantaneous view of the object is obtained, and shuts up to a short length for the pocket, of one foot in length, in a case	1	11	6
Second best two-drawers, ditto	1	1	0
Twenty inch best three-drawers, ditto	2	12	6
Ditto second best two-drawers	1	10	0
Two feet best three-drawers, ditto	4	4	0
Ditto second best, ditto	3	3	0
Three feet best four-drawers ditto	6	6	0
Second best ditto	4	4	0
The preceding telescopes, fitted up elegantly with silver or plated tubes, from 2*l*. 2*s*. to	21	0	0
Astronomical eye-pieces, and portable brass stands for the above, from 10*s*. 6*d*. to	2	12	6
The new-improved 2½ feet achromatic refractor, on a brass stand, mahogany tube, with two sets of eye-glasses, one magnifying about forty times for terrestrial objects, and the other about seventy-five times for astronomical purposes, packed in a mahogany box	9	9	0
Ditto, ditto, the tube all brass, with three eye-pieces	11	1	6
The 3½ feet ditto, ditto, mahogany tube	17	6	6
Ditto, ditto, brass tube	19	8	6
Ditto all in brass, with rack-work motions, &c.	24	3	0
Achromatic perspective glasses for the pocket, in brass, &c. tubes, with a change of eye-glasses, from 12*s*. to	3	3	0
New-improved ditto, answering the purpose of an opera glass, with a compass and helioscope for viewing the sun, from 1*l*. 3*s*. to	2	2	0
New-improved achromatic pocket telescope, which, by a small apparatus within its tubes, is readily converted into a compound microscope	3	13	6
An improved portable seven-inch achromatic telescope in brass, with a stand that packs up into the tube of the telescope, adapted for astronomical uses	3	13	6
Reflecting Telescopes, fitted up either upon the *Gregorian Newtonian*, or *Herschelian* principles, with improved wood or metal stands, and other apparatus, for making celestial observations in the most commodious and accurate manner.—The general prices are as follow:			
— Fifteen feet in length, the large metal fifteen inches in diameter, from 250*l*. to	500	0	0
— Twelve feet in length, fourteen inch metal	200	0	0
— Ten feet in length, twelve inch metal	150	0	0
— Eight feet in length, eleven inch metal	140	0	0
— Six feet in length, nine inch metal	100	0	0
— Four feet long, in brass tubes, with portable brass or mahogany framed stands, from 40*l*. to	100	0	0

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Those reflectors that are constructed upon the principles of Newton *or* Herschel *are about twice the above lengths in the tubes. The reflectors upon the usual Gregorian construction are made with the vertical motion upon a new principle, so as to render them more firm and steady while in use, than any reflectors mounted in the common manner.*

	£.	s.	d.
A four feet seven-inch aperture Gregorian reflector, with the vertical motion upon a new-invented principle, as well as apparatus to render the tube more steady in observation; according to the additional apparatus of small speculums, eye-pieces, micrometers, &c. from 80*l*. to ..	100	0	0
Three feet long, mounted on a brass stand, common mounting	23	2	0
Ditto with rack-work motions, improved mounting, and metals	36	15	0
Two feet long, without rack-work, and with four magnifying powers, improved, 13*l*. 13*s*. to	14	14	0
Ditto improved, with rack-work motions	22	1	0
Eighteen inch on a plain stand	8	8	0
Twelve inch ditto	5	5	0
Telescopes, both refracting and reflecting, fitted up with equatorial, &c. motions, micrometers, adjusting, compensating, &c. apparatus, for the most accurate astronomical purposes			
Common Microscopes, from 2*s*. 6*d*. to	1	1	0
Wilson's single pocket microscopes, from 18*s*. to	2	12	6
Compound microscopes improved, from 2*l*. 12*s*. 6*d*. to	5	5	0
New improved universal ditto	6	6	0
Ditto with the most complete apparatus	10	10	0
Solar microscopes in brass, improved, from 4*l*. 14*s*. 6*d*. to ..	6	6	0
The new opake and transparent solar microscopes, with improved apparatus, from 10*l*. 10*s*. to	16	16	0
Ditto of a larger size, with additional megalascopic apparatus, from 14*l*. 14*s*. to	19	19	0
Ditto, and best compound ditto, packed together in one mahogany box	21	0	0
The Lucernal Microscope, as improved by *W. Jones*, exhibiting images of opake and transparent objects by night or day, in a manner singularly pleasing, brilliant, and distinct, with upwards of 100 objects, proper apparatus, patent lamp, &c.	16	16	0
Ditto combined with a solar, compound, &c. apparatus, forming the most perfect collection of microscopical apparatus	35	14	0
A portable optical apparatus, consisting of a scioptic ball and socket, a solar microscope, Wilson's microscope, a pocket compound microscope, a pocket telescope, and solar telescope, in mahogany and brass	3	13	6
Pocket microscopes for opake objects, from 16*s*. to	2	12	6
Botannic microscopes for flowers, &c. from 5*s*. to	1	11	6
A new universal pocket ditto, adapted to all sorts of objects	1	6	0
Ditto with adjusting screw, speculums, &c.	2	10	0
Cloth microscopes, from 2*s*. 6*d*. to	0	10	6
Magic lanthorns, from 1*l*. 4*s*. to	1	8	0
Sliders for ditto in great variety of subjects, each	0	3	6
A new set of moveable painted sliders, shewing the fundamental principles of astronomy, with the real and appa-			

	£.	s.	d.
rent motions and positions of the planets, stars, &c. &c. accompanied by a proper improved lanthorn, complete ..	13	13	0
Small magic lanthorns, with twelve sliders complete, at 7*s*. 6*d*.—10*s*. 6*d*.—12*s*. and	1	0	0
Ditto with twelve sliders of best English paintings	2	2	0
Optical diagonal machines for viewing prints, from 1*l*. to ..	1	11	6
Perspective views in great variety for ditto, each	0	1	6
Scioptic balls and sockets, from 10*s*. 6*d*. to	1	11	6
An artificial eye in brass, to exemplify the nature of vision	1	11	6

For a description of this instrument, as well as of spectacles, reading-glasses, &c. see the late Mr. G. ADAMS's Essay on Vision, *8vo. price 3s. now sold by* W. *and* S. JONES.

	£.	s.	d.
Camera obscuras for the pocket, from 9*s*. to	1	16	0
A new-invented folding ditto, very portable	2	2	0
Large ditto, shutting up like a book or neat portable chest, the objects represented on paper, from 4*l*. 14*s*. 6*d*. to ...	8	18	6
Concave and convex glass mirrors, in plain black frames, four, five, six, and seven inches diameter, each 9*s*. 12*s*. 14*s*. and	0	18	0
Eight inches diameter ditto	1	1	0
Nine inches ditto	1	7	0
Ten inches ditto	1	12	0
Twelve inches ditto	2	5	0
Fifteen inches ditto	3	13	6
Eighteen inches ditto	6	6	0
Twenty-one inches ditto	11	11	0
Twenty-four inches ditto	16	16	0
Concave mirrors ground cylindrically, possessing several curious properties in the deformation of objects; according to the size, from 1*l*. 1*s*. to	5	5	0
Concave metal burning mirrors, superior to the glass ones, from 3*l*. 13*s*. 6*d*. to	21	0	0
Glass prisms, plain or mounted on stands, from 7*s*. 6*d*. to ..	1	11	6
A curious set of optical models, where the rays of light are represented by silken strings, and illustrating the principles of vision, telescopes, prisms, &c. packed in four cases	6	16	6

MATHEMATICAL INSTRUMENTS.

	£.	s.	d.
THEODOLITES of the common construction, and of the best workmanship, from 4*l*. 4*s*. to	31	10	0
A portable theodolite, with a telescope, level, and vertical arch	7	7	0
Ditto larger, with parallel plates, &c. divided to two minutes	12	12	0
Ditto with rack-work motions, divisions to a minute	22	1	0
A new-improved theodolite, with two telescopes, and contrivances for very accurate adjustment	36	15	0
A new very portable theodolite, by rack-work, measuring angles with equal accuracy as those of the common large sort, is at the same time applicable for taking altitudes, and is truly adapted for the purpose of levelling	8	8	0
A 4-inch further improved ditto, by which the vertical and horizontal angles are shewn at the same time, with rack-work motions, and portable parallel plate staves, &c. ...	10	10	0

	£.	s.	d.
Circumferentors, much used in wood lands, from 2*l.* 2*s.* to	4	4	0
An improved ditto, contrived to answer the purposes of a common theodolite, level, altitude instrument, &c.	4	14	6
Surveying crosses or squares, on a staff, from 12*s.* to	1	11	6
A brass cylindrical ditto, with a staff	0	18	0
Ditto with compass, agate capped needle, &c.	1	11	6
Improved ditto, with rack-work and pinion, and moveable divided limb, making a very portable cross-staff, compass, and theodolite, in one small instrument	2	18	0
Levels of the latest improvements, from 2*l.* 2*s.* to	12	12	0
Station staves, with sliding vanes, for levelling	2	12	6
Plane tables, with index, sights, &c. complete, from 3*l.* 13*s.* 6*d.* to	5	5	0
Pentagraphs, by which any person unskilled in drawing may copy plans, surveys, profiles, drawings, &c. in any proportion to the original, from 1*l.* 16*s.* to	6	16	6
Perambulators or measuring wheels, from 6*l.* 6*s.* to	10	10	0
Gunter's measuring chain, according to strength, from 5*s.* to	0	11	0
——— navigation scale, from 2*s.* to	0	4	0
——— ditto improved by Donn, with book of directions ..	0	5	0
——— ditto improved by Robertson, with brass adjusting screws, &c. being the completest scale of the kind	1	10	0
——— sectors of various lengths, from 2*s.* to	1	11	6
A new pocket ten-inch box sliding rule for solving all sorts of problems in trigonometry, &c. from 2*s.* 6*d.* to	0	4	0
Measuring tapes, one, two, three, and four poles, 5*s.* 7*s.* 6*d.* 9*s.*	0	10	6
Pedeometers for ascertaining distances in walking or riding, of a watch size for the pocket, and also to apply to carriages, from 3*l.* 3*s.* to	12	12	0
Miner's compasses for working in subterraneous grounds, from 10*s.* 6*d.* to	1	11	6
Cases of drawing instruments, from 4*s.* 6*d.* to	5	5	0
Magazine, or complete collection of every kind of useful drawing instruments, from 5*l.* 5*s.* to	35	0	0
A new portable drawing board and seat, the board folds up for the pocket, and the legs of the seat form a walking stick	0	18	0
Proportional compasses, from 1*l.* 10*s.* to	3	3	0
Elliptical compasses of various degrees of perfection and utility, from 16*s.* to	4	14	6
Spiral and elliptical compasses, from 6*s.* 6*d.* to	10	10	0
Triangular compasses, by which three points at once may be transferred, from 13*s.* to	1	5	0
Hair compasses that take extents to a great accuracy	0	7	6
Beam compasses for dividing large circles, projections, &c. from 1*l.* 1*s.* to	10	0	0
Bow compasses for describing very small circles, from 2*s.* 6*d.* to	0	12	0
Perspective compasses to take angles, &c. from 1*l.* 5*s.* to ..	2	12	6
Parallel rulers of different constructions, from 2*s.* to	2	12	6
Protractors for laying down angles, from 2*s.* to	1	1	0
Ditto, with a nonius and moveable limb	2	2	0
Ditto, ditto, with teeth and pinion	4	10	0
Sets of protracting and plotting scales; instruments for dividing lines or transferring divisions on paper. An instrument for describing circles from four to six inches radius			

or to the utmost conceivable distance—Gunners callipers—Gunners levels or perpendiculars—Shot gauges—Shell ditto—Gunners quadrants, with a plummet or level, or adjusting screw, &c. and all other instruments for military purposes.

	£.	s.	d.
Hadley's Quadrants, mahogany, the divisions on wood	1	11	6
Ditto mahogany with ivory arch and nonius, double observation	2	2	0
Ditto, ditto, a brass index, double observation	2	12	6
Ditto, ebony and brass, best glasses, engine divided, &c.	3	0	0
Ebony and brass mounted best sextants, from *4l. 4s.* to	8	18	6
Metal ditto, all brass, framed on a principle the least liable to be warped or strained, with adjusting screws, telescopes, and other auxiliary apparatus, the most proper for taking distances accurately, to determine the longitude at sea, &c.	12	12	0
Ditto, second best	8	8	0
A new small 3-inch pocket box sextant to take angles to a minute, from *2l. 2s.* to	3	3	0
Artificial horizons, by parallel glasses and quicksilver, to take double altitudes by	1	16	0
Gunter's quadrant, from *4s.* to	1	1	0
Azimuth compasses of different constructions, from *5l. 5s.* to	12	12	0
Pocket compasses from *2s. 6d.* to	5	5	0
Horizontal sun-dials, in brass, made for any latitude, of four, five, or six inches diameter, divided into five minutes of time, each at *6s. 9s.* and	0	12	0
Ditto seven inches	0	16	0
Ditto eight inches, into two minutes	1	4	0
Ditto ten inches, ditto	1	16	0
Ditto twelve inches, ditto	2	10	0
Ditto fifteen inches, into every minute, thirty two points of the compass, &c.	4	14	6
Ditto eighteen inches, ditto, ditto, with equation table, &c.	8	8	0
Ditto 2 feet diameter, ditto, ditto	15	15	0
A new universal ditto and equatorial, making a very portable angular instrument, from *8l. 8s.* to	31	10	0
Universal ring-dials, from *7s. 6d.* to	10	10	0

For a general description and representation of the instruments used in surveying, levelling, and other branches of practical geometry, see the late Mr. G. Adams's Geometrical and Graphical Essays, *an improved edition by* W. Jones, *in two vols. 8vo. 1797, with thirty-five folio copper-plates. Price 14s.*

ASTRONOMICAL, &c. INSTRUMENTS.

	£.	s.	d.
A portable **Transit Instrument**, with a cast-iron stand, to ascertain the rate of chronometers, the longitude, &c. the axis is twelve inches in length, and the telescope about twenty inches, packed in a case	12	12	0
Ditto, with a brass framed stand, and other additions	20	0	0
Transit instruments of larger dimensions made to order.			
The new **Circular Instruments** and **Equatorials**, from *63l.* to	180	0	0
Planetariums, shewing the phænomena of the Ptolemaic and Copernican systems, from *7l. 7s.* to	50	5	0
Manual orreries of the common construction, *2l. 12s. 6d.* to	6	6	0

	£.	s,	d.
Jones's (Wm.) new portable orrery, the tellurian part	1	1	0
Ditto, the planetarium part	1	1	0
Tellurian and planetarium together, making the *New Portable Orrery*, packed in a neat mahogany box, according to the sizes, from 2*l.* 12*s.* 6*d.* to	5	5	0
An orrery shewing the motions of Mercury, Venus, the Earth and Moon, by wheel-work, the Earth is a 1½ inch globe, packed in a box	4	4	0
Other planetariums and orreries in great variety, the motions by wheel-work, exemplifying all the motions and phænomena of all the planets, the Georgium Sidus included, from 40*l.* to	1000	0	0
Cometariums, for exemplifying the motion of comets, from 1*l.* 11*s.* 6*d.* to	5	5	0
Senex's globes 28 inches diameter, mahogany frames, 25*l.* to	50	0	0
Twelve inch ditto, improved by Ferguson, with the new discoveries of Captain Cooke, &c. and the horary circles, mounted in neat mahogany claw-feet frames	5	5	0
Ditto, in common coloured wood frames	3	3	0
Additional price of a compass, and fitting to both globes	0	5	0
A pair of red leather covers for the 12-inch globes	0	9	6

THE NEW EIGHTEEN INCH BRITISH GLOBES.

The Terrestrial, containing all the latest discoveries and communications, from the most correct and authentic observations and surveys to the year 1798, engraved from an accurate drawing by *Mr. Arrowsmith.*—The Celestial containing the positions of nearly 6000 stars, clusters, nebulæ, planetary nebulæ, &c. correctly computed and laid down, by *W. Jones*, for the year 1800, from the latest observations and discoveries by *Dr. Maskelyne, Dr. Herschel*, the *Rev. Mr. Wollaston*, &c.

N. B. (These are the only modern English 18-inch Globes extant, the plates being engraved from entire new drawings, and are dedicated to the Right Hon. *Sir Joseph Banks, Bart. P. R. S.* and the *Rev. Dr. Maskelyne, Astronomer Royal.*

	£.	s,	d.
In common plain frames of stained wood	7	7	0
A compass fitted to both the frames of ditto	0	6	0
A pair of red leather covers for ditto	1	4	0
The same globes in best mahogany claw-feet frames, with large compasses fixed to the claw feet	12	12	0
Ditto, in more elegant and varnished frames, with improved brass sliding hour circles, from 15*l.* 15*s.* to	17	17	0
Red and stamped leather covers for the above, from 1*l.* 8*s.* to	2	2	0
Globes, nine inches diameter, with the new discoveries	2	2	0
Ditto, six inches ditto, plain frames	2	0	0
Ditto, ditto, best mounting	3	3	0
Ditto, three inches ditto, in claw-feet mahogany frames	1	12	0
Ditto, three inches, single one in a case for the pocket	0	8	0
Geographical planispheres, to solve problems, mounted as a hand fire-screen	0	7	6
A brass armillary sphere, three inches diameter	3	3	0

	£.	s.	d.
A brass armillary sphere, six inches diameter	6	6	0
A nine inch ditto	9	9	0
A twelve inch ditto	12	12	0
Larger ditto, with planetarium, from 21*l.* to	105	0	0

For a general description of orreries and other astronomical instruments, see the late Mr. G. ADAMS's Astronomical Essays, 8*vo. with sixteen plates; price* 10*s.* 6*d. now sold by* W. *and* S. JONES.

PHILOSOPHICAL, &c. INSTRUMENTS.

A single-barrel AIR-PUMP, with receiver	2	12	6
Improved ditto, exhausting more accurately	5	15	6
A small double-barrel air-pump, with gage-plate	5	5	0
A middle size ditto	6	16	6
A large size table ditto	10	10	0
Air-pump of the largest sort, exhausting more accurately, being upon an improved construction	34	13	0
Condensing engines, from 5*l.* 5*s.* to	21	0	0
Papin's digester improved, on a stand	5	15	6

The principal Apparatus for the Air Pump as follow :

Guinea and feather apparatus, demonstrating the resistance of the air, with one, two, or three falls, from 18*s.* to	1	11	6
A set of wind-mills for the same demonstration	1	11	6
The brass hemispheres, shewing the air's external pressure, from 14*s.* to	1	10	0
A bell, proving that there is no sound without air	0	10	6
Improved construction of this bell, from 1*l.* 1*s.* to	3	3	0
Lead weights, with bladder, &c. proving the air's elasticity	0	17	0
The double transferrer, that transfers a vacuum from one receiver to another, by turning stop-cocks only	3	0	0
A model of a water-pump, exemplifying the nature of pumps, and proving the absurdity of what is called *suction*	1	4	0
A single transferrer, plate, and pipe, for a fountain	0	18	0
A copper air-pipe for experiments on infected air	0	17	0
A flat plate, collar of leathers, with sliding wire, for placing on receivers	0	12	0
An apparatus for firing gunpowder in vacuo	0	18	0
A copper bottle, beam and stand, for accurately weighing of air	2	12	6
A glass vessel for making a fountain in vacuo	0	5	6
Ditto on a larger and different construction	0	16	0
A glass with a bladder, shewing the action of the lungs ...	0	6	0
Ditto mounted with the figure of a Bacchus	1	10	0
A balance beam and stand	0	7	0
A filtering cup, shewing the porosity of vegetables	0	5	0
A plate and piece of wood for the same purpose	0	4	6
An apparatus for striking flint and steel in vacuo	0	18	0
The Torricellian experiment	0	18	0
Fruit stand	0	3	6
Candlestick	0	3	6
Syringe with lead weight	0	10	6
Six breaking squares, cage and cap	0	7	6
Glass bubble and stand	0	3	0
Hand and bladder glasses	0	3	6

With a great variety of receivers, and other apparatus, as described by various authors.

	£.	s.	d.
Exhausting and condensing syringes, from 10*s*. 6*d*. to	1	11	6
Exhausting syringes, with sets of cupping glasses, breast glasses, and scarificator, complete	4	14	6
Air fountains of copper, with various jets, from 3*l*. 13*s*. 6*d*. to	7	7	0
ELECTRICAL MACHINES, with conductors and jars, from 2*l*. 12*s*. 6*d*. to	10	10	0
New and much improved ditto, from 3*l*. 13*s*. 6*d*. to	42	0	0
Electrical machines and complete apparatus for medical purposes, packed in boxes, the cylinder from seven to ten inches diameter, from 6*l*. 6*s*. to	12	12	0
An electrical machine with apparatus for philosophical experiments and medical uses, packed in a box, the cylinder about eight inches diameter	8	18	6

Apparatus for Electrical Machines as follow:

Electrical batteries of combined jars, from 2*l*. 12*s*. 6*d*. to	10	10	0
An universal discharger, with a press	1	8	0
A quadrant electrometer with divided arch	0	7	6
Jointed dischargers with glass handles	0	10	6
Plain ditto, ditto	0	5	6
An useful and illustrative apparatus, compounded of the luminous conductor, exhausted flask, two jars, exhausting syringe, insulated stand, and wires with balls, &c. complete	3	0	0
Luminous conductors, from 12*s*. to	1	5	0
Exhausted flasks, called Aurora Borealis	0	6	6
A thunder house, demonstrating the use of conductors	0	6	0
A powder house for the same purpose	0	16	0
An obelisk or pyramid for ditto	0	10	6
A set of plain bells, three to a set	0	7	6
A new set of musical ditto, containing the gamut	1	10	0
A magic picture for giving shocks	0	7	6
An electrical cannon, to be discharged by inflammable air	0	16	0
Brass pistols for ditto	0	7	6
Spiral tubes to illuminate by the spark, from 4*s*. 6*d*. to	0	10	6
Luminous names, or words, from 10*s*. 6*d*. to	1	11	6
Spotted jars, from 6*s*. to	0	10	6
A double jar for explaining the Franklinian theory	0	15	0
Copper plates and stands for dancing images	0	9	0
An electrical tin fire house	0	10	6
An electrical shooter and mark	0	5	0
A mahogany stand for eggs	0	4	6
A small head with hair	0	7	6
An artificial spider	0	1	6
An electrical swan	0	2	0
An electrical star	0	1	6
Balls of wood, bone, &c. each from 6*d*. to	0	2	6
A curious collection of working models, to be set in motion by the electrical fluid, consisting of a corn mill and a three-barrelled water pump, worked by one crank only; an orrery, shewing the diurnal motion of the earth, age and phases of the moon, &c. an astronomical clock, shewing the aspects of the sun and moon, age, phases, &c. all delicately made of card paper, cork, and wire only, packed in a deal case	2	12	6
Kinnersley's electrical air thermometer	1	1	0

	£.	s.	d.
Cavallo's atmospherical electrometer	0	12	0
Ditto, as improved by Saussure	1	1	0
Bennet's gold-leaf electrometer	0	18	0
An electrophorus, from 10s. 6d. to	3	3	0
Conductors for the preservation of ships, houses, &c. from lightning, from 3l. 3s. to	5	5	0

The Medical Apparatus consists of,

	£.	s.	d.
Jars with electrometers, from 12s to	1	1	0
A new medical ditto, for communicating shocks in the most convenient and qualified manner	0	7	6
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